

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10792 - L2 Version 2
Chandra X-Ray Center

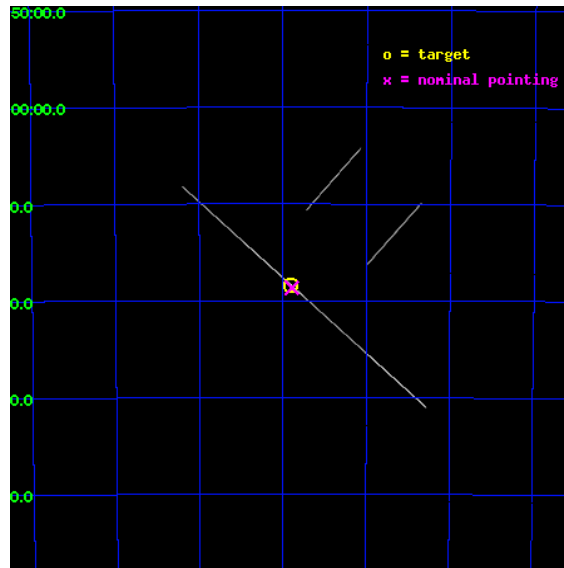
L2 Processing Date : May 25 2012

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1 Front

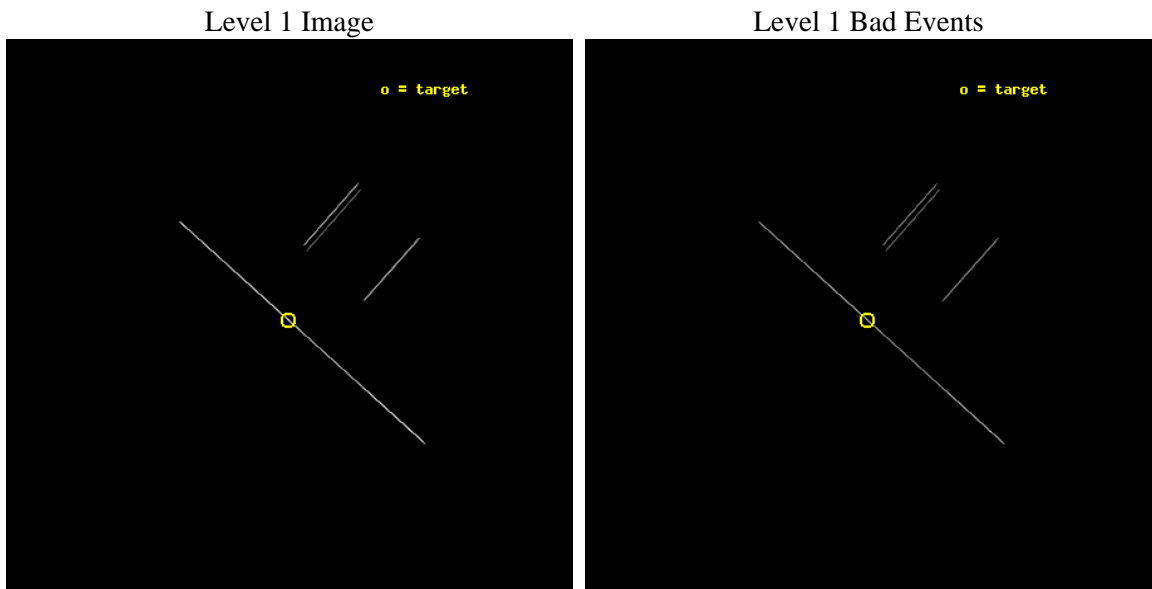
seq_num	500862	Sequence number
obs_id	10792	Observation id
title	TINY HICCUPS TO TITANIC EXPLOSIONS: Tackling Transients in Anomalous X-ray Pulsars	Proposal title
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1547.0-5408	Source name
ra_targ	237.725417	Observer's specified target RA [deg]
dec_targ	-54.306583	Observer's specified target Dec [deg]
ra_nom	237.72312126522	Nominal RA [deg]
dec_nom	-54.311246532308	Nominal Dec [deg]
roll_nom	221.77126730297	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10148.0	Sum of GTIs [s]
livetime	10108.359375	Livetime [s]
ontime2	10148.0	Sum of GTIs [s]
ontime3	10148.0	Sum of GTIs [s]
ontime5	10148.0	Sum of GTIs [s]
ontime6	10148.0	Sum of GTIs [s]
ontime7	10148.0	Sum of GTIs [s]
ontime8	10148.0	Sum of GTIs [s]
l2events	200266	Number of level 2 events



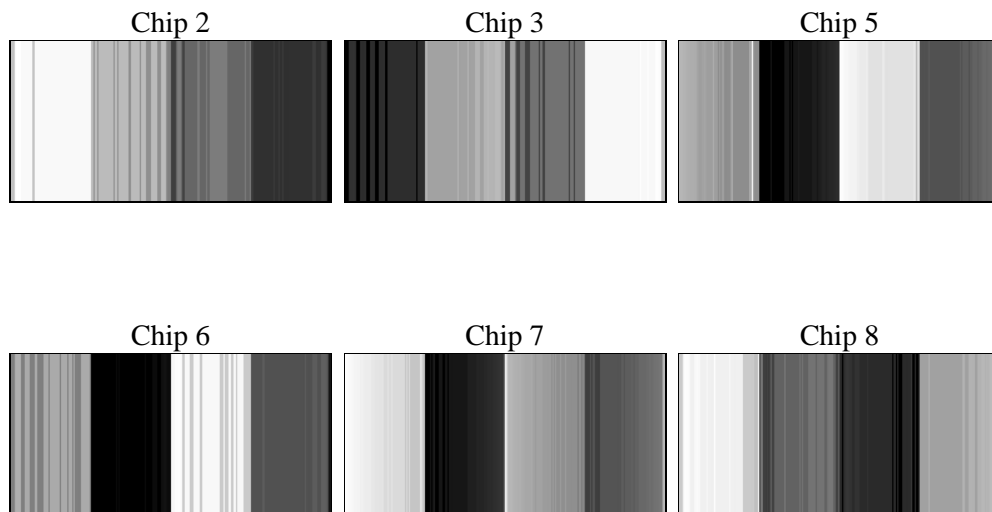
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10148.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10148.0	Sum of GTIs [s]
date	2012-05-25T03:58:25	Date and time of file creation	ontime3	10148.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10148.0	Sum of GTIs [s]
			ontime6	10148.0	Sum of GTIs [s]
			ontime7	10148.0	Sum of GTIs [s]
			ontime8	10148.0	Sum of GTIs [s]
			l1events	321188	Number of level 1 events

2.1.4 Events

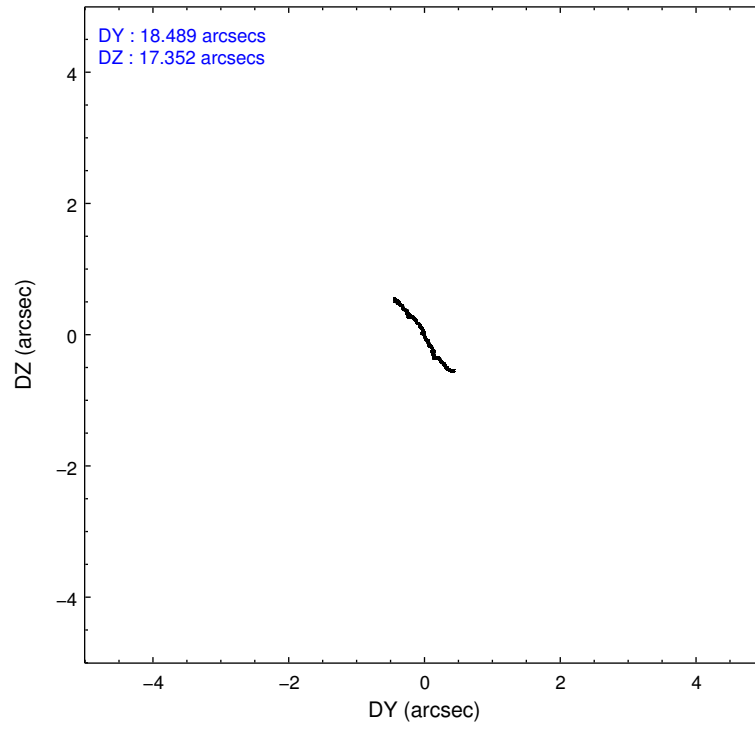
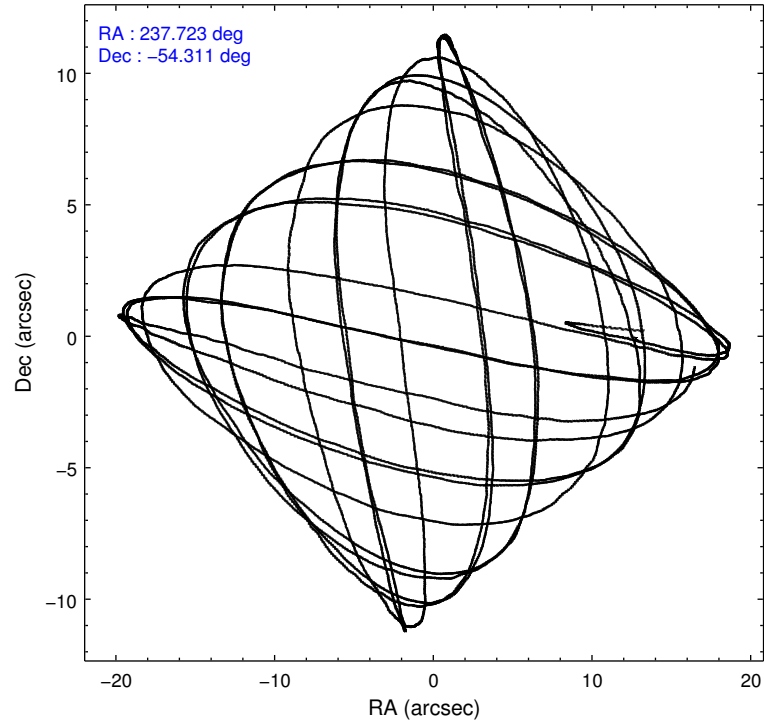
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22620	25223	106411	25465	88060	53409
rejected events	6160	7005	20757	7244	18346	12168
rejected %	27%	27%	19%	28%	20%	22%

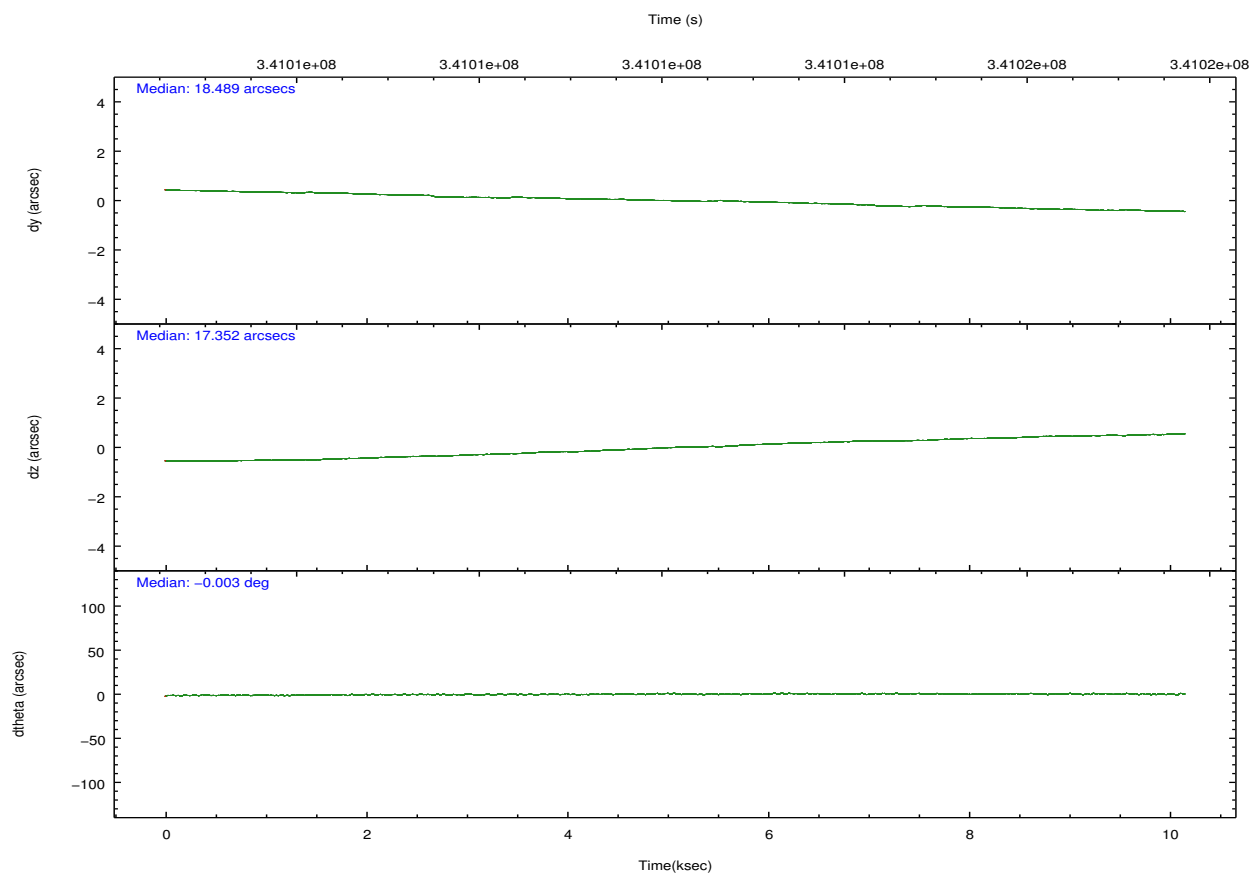
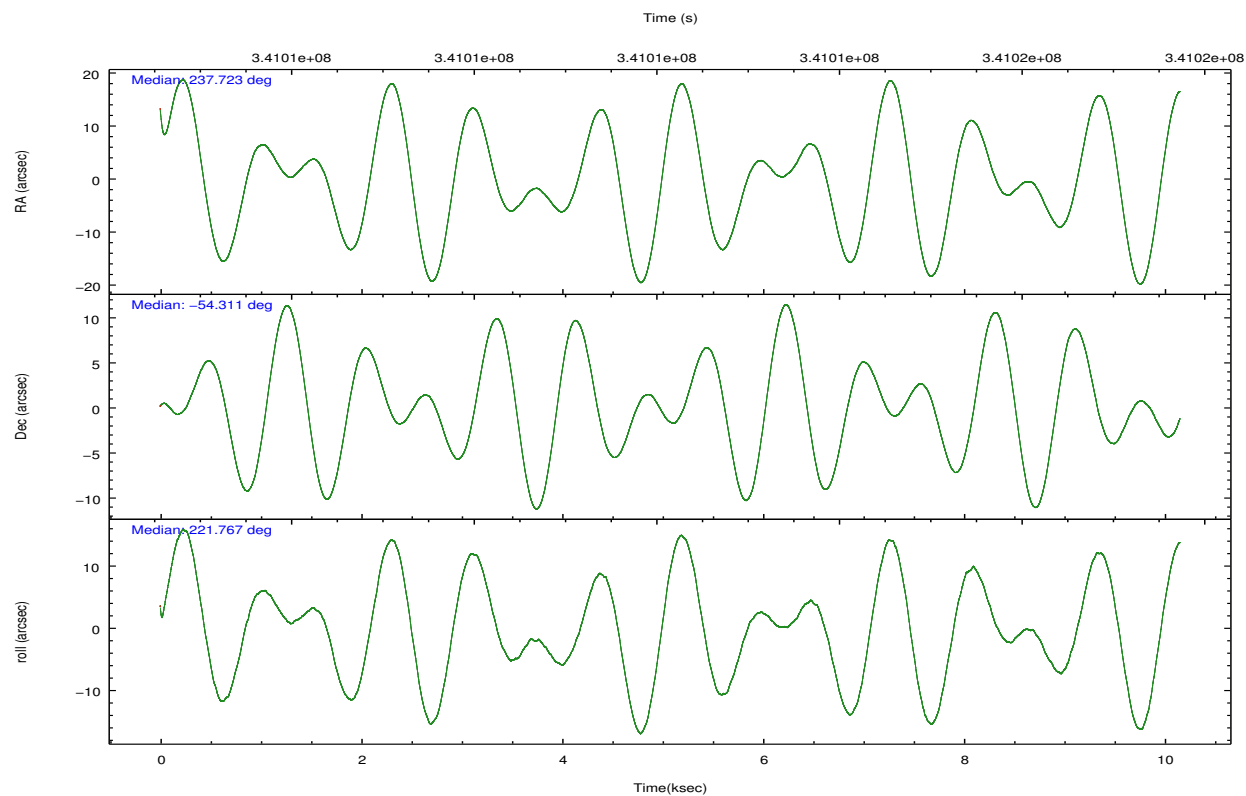
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2704	2875	16635	2516	7171	9737
	11%	11%	15%	9%	8%	18%
grade 1 events	121	92	167	100	188	238
	0%	0%	0%	0%	0%	0%
grade 2 events	7141	7928	28607	7946	19908	14249
	31%	31%	26%	31%	22%	26%
grade 3 events	2229	2556	2035	2431	5084	5080
	9%	10%	1%	9%	5%	9%
grade 4 events	2201	2283	1863	2315	5109	4954
	9%	9%	1%	9%	5%	9%
grade 5 events	4286	4877	10234	5062	11950	7187
	18%	19%	9%	19%	13%	13%
grade 6 events	3938	4612	46870	5095	38650	11964
	17%	18%	44%	20%	43%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	237.737091	237.7231212652185	CCD I2 on	O2	Y
[deg] Pointing Dec	-54.285142	-54.31124653230785	CCD I3 on	O3	Y
[deg] Pointing Roll	221.625995	221.7712673029716	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	341007216.184000	341005959.68152	CCD S5 on	N	N
Observation start date	2008-10-21T20:12:31	2008-10-21T19:52:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341017216.184000	341017886.06961	On-chip summing requested	N	N
Observation end date	2008-10-21T22:59:11	2008-10-21T23:11:26	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



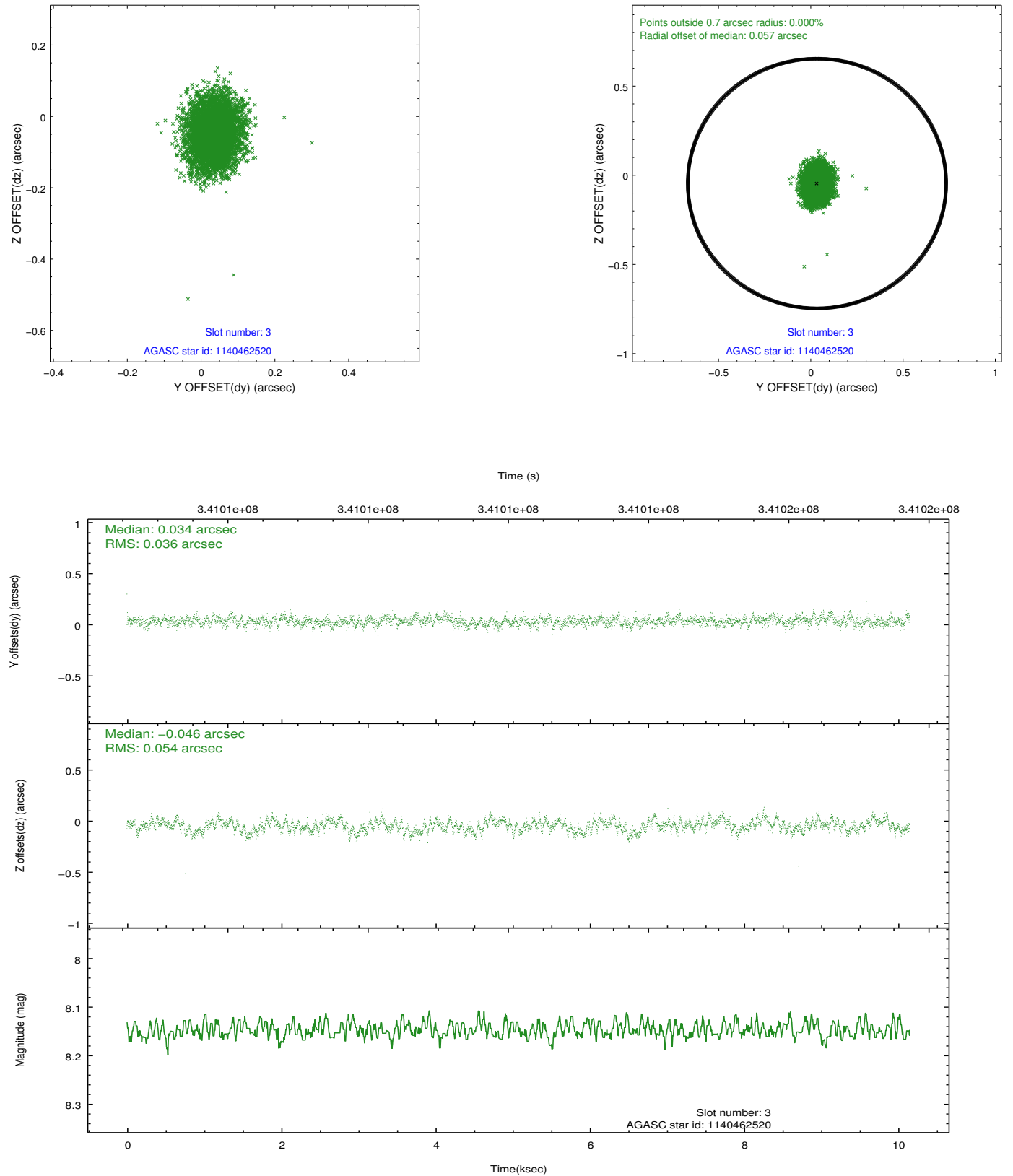


Slot Statistics

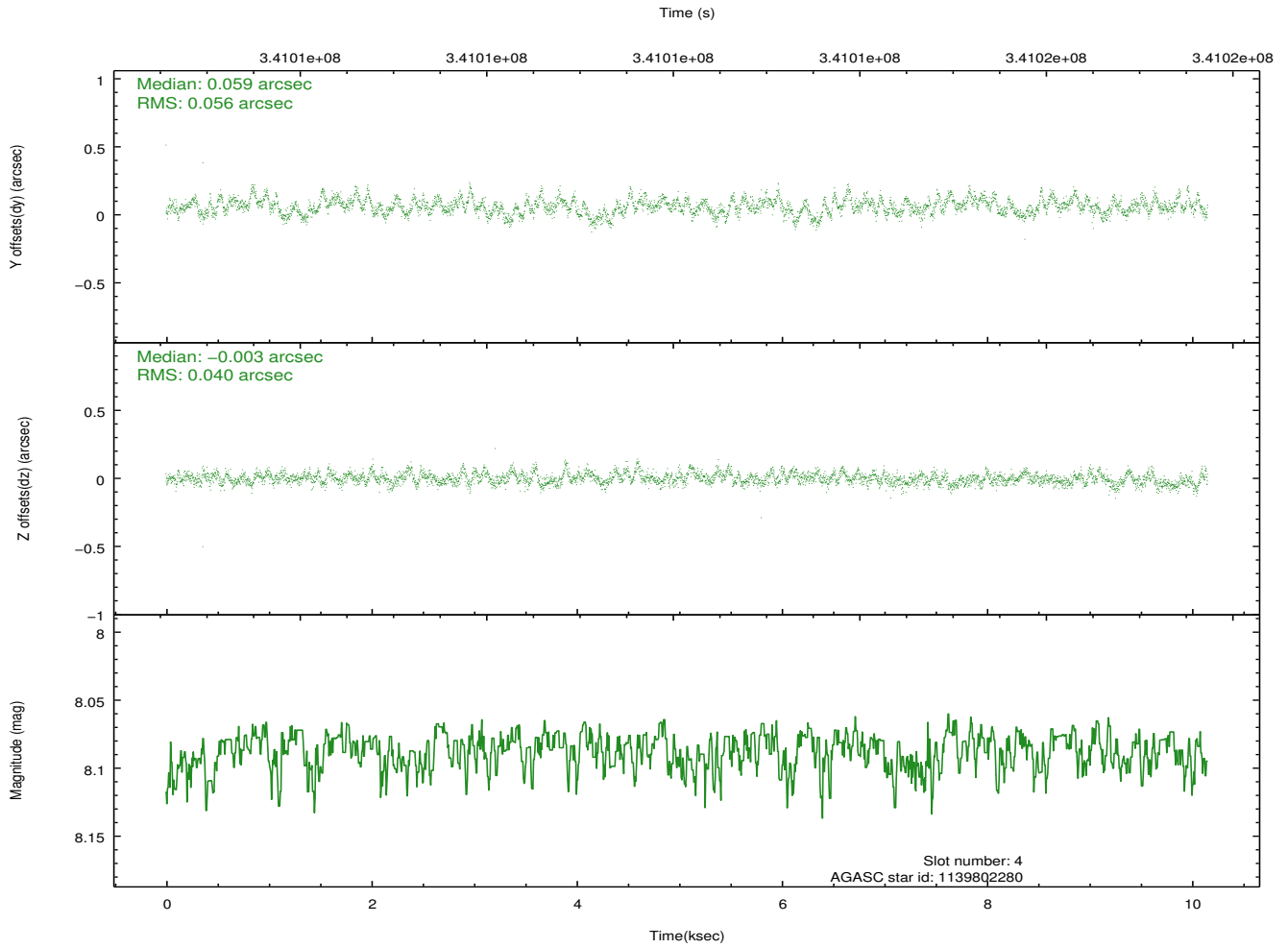
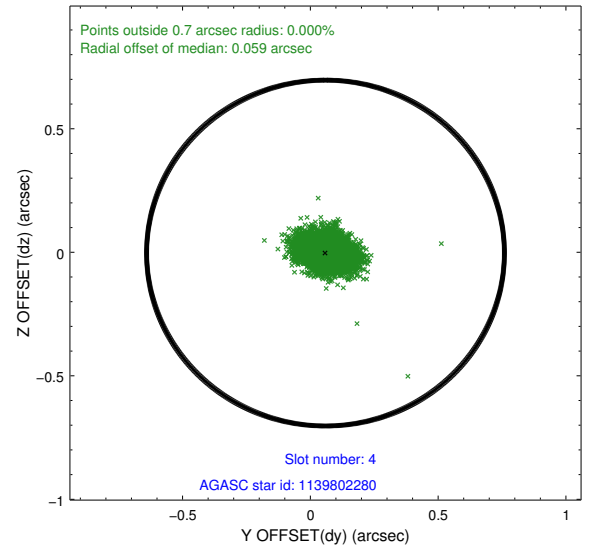
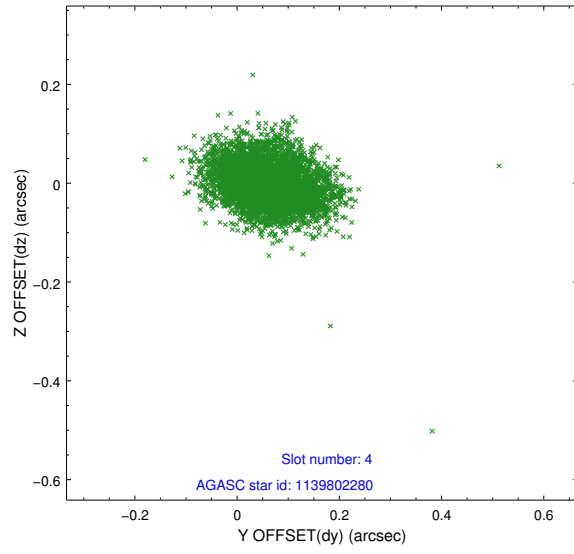
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2477	-0.074	-0.048	0.017	0.024	0.000000	0.000000	-771.66	-1738.75
1	FID	ACIS-S-4	6.97	2477	0.239	0.050	0.010	0.018	0.000000	0.000000	2141.74	169.22
2	FID	ACIS-S-5	7.01	2477	-0.195	0.009	0.015	0.020	0.000000	0.000000	-1823.91	163.54
3	GUIDE	1140462520	8.15	4952	0.034	-0.046	0.069	0.112	237.718666	-54.642458	883.53	936.21
4	GUIDE	1139802280	8.09	4951	0.059	-0.003	0.071	0.121	236.525595	-54.011505	1276.94	-2421.83
5	GUIDE	1139945912	9.14	4950	0.073	0.049	0.090	0.140	238.361289	-54.201826	-1177.21	652.84
6	GUIDE	1139941688	9.14	4953	-0.070	-0.069	0.099	0.160	238.371800	-54.158507	-1298.39	552.88
7	GUIDE	1139943608	9.21	4936	-0.098	0.072	0.083	0.136	238.761095	-54.002426	-2285.22	690.33

2.4 Star Slots

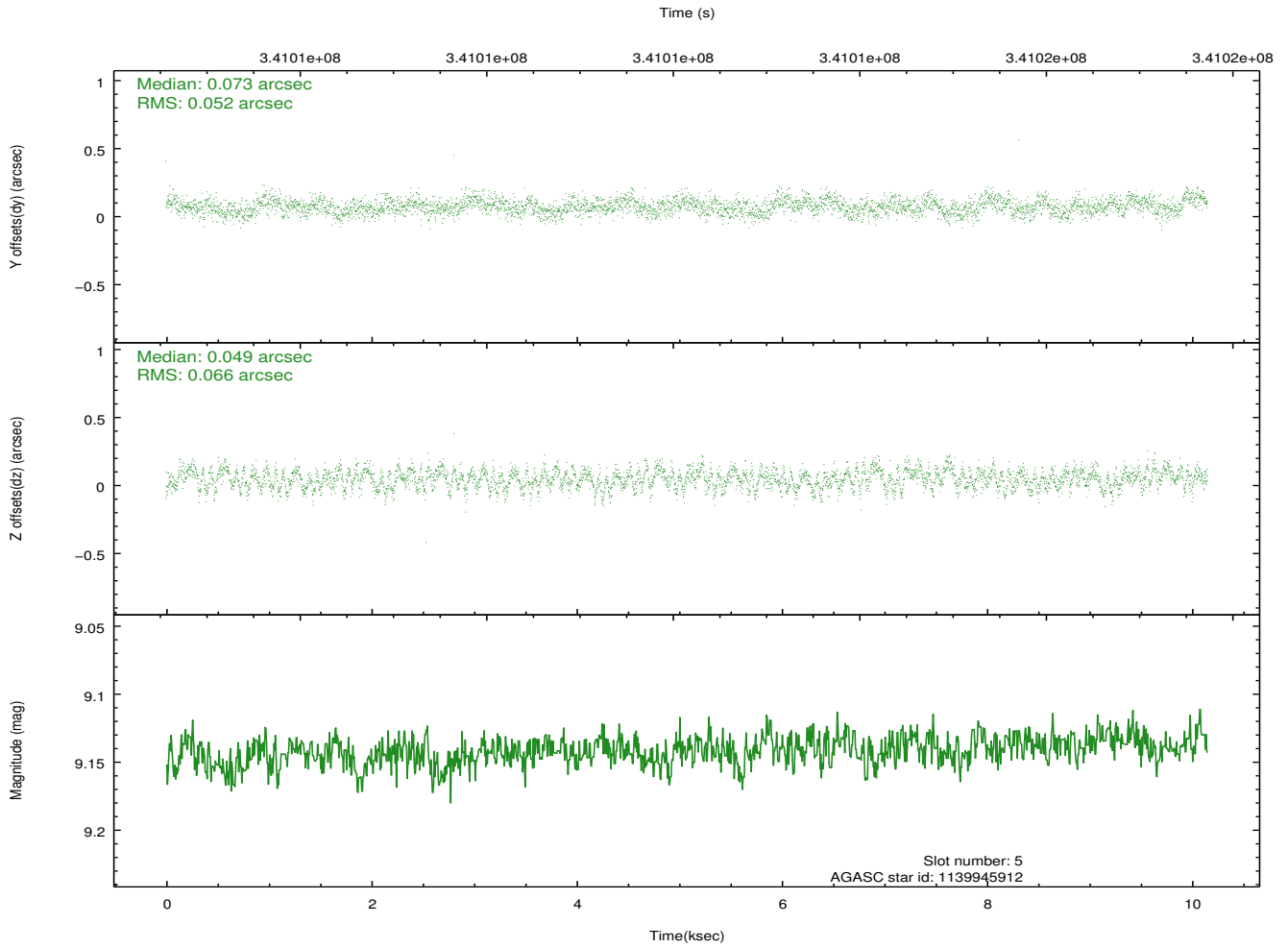
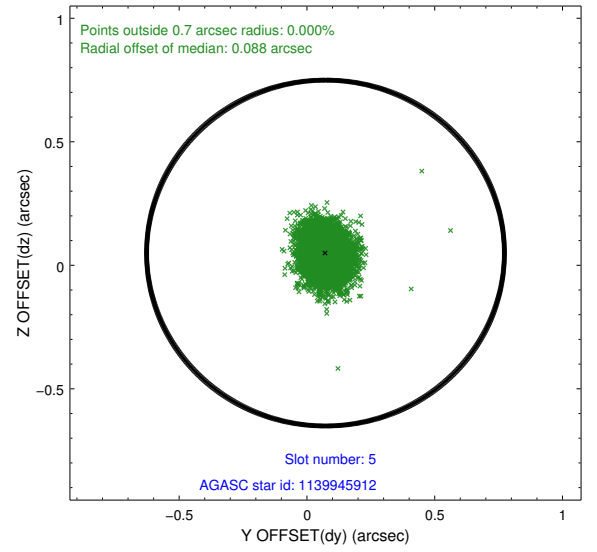
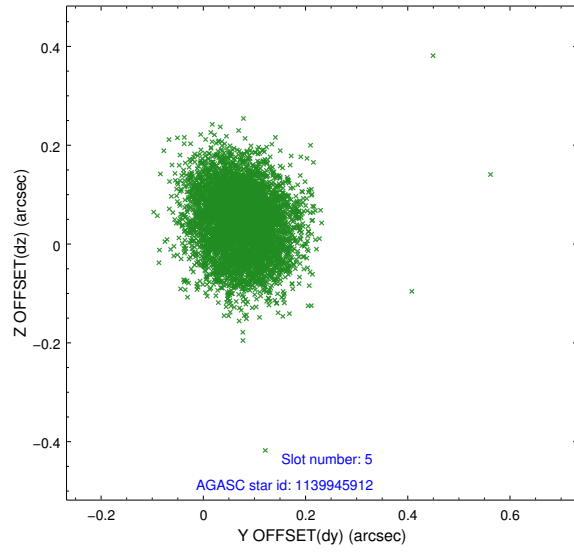
2.4.1 Slot 3



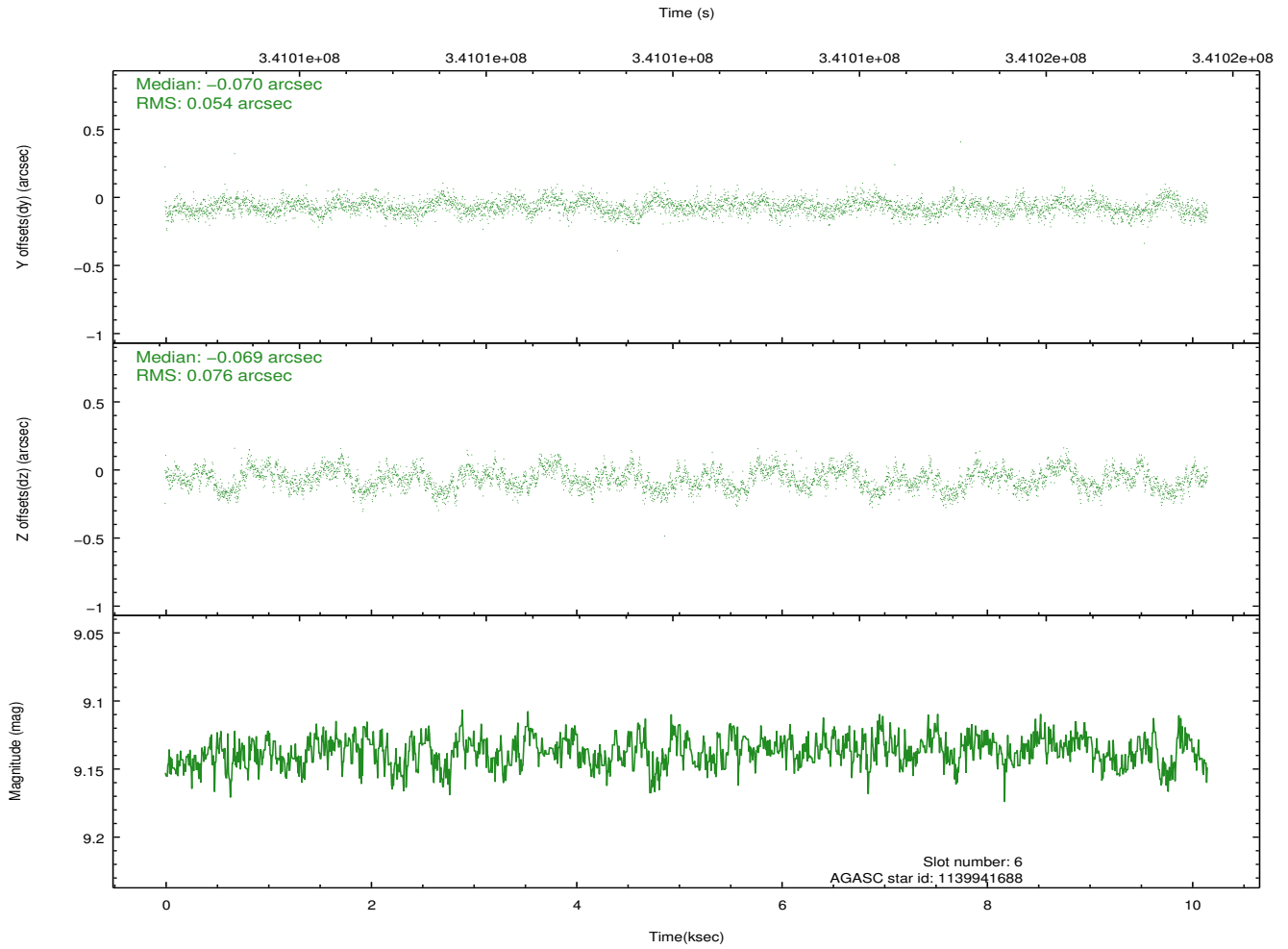
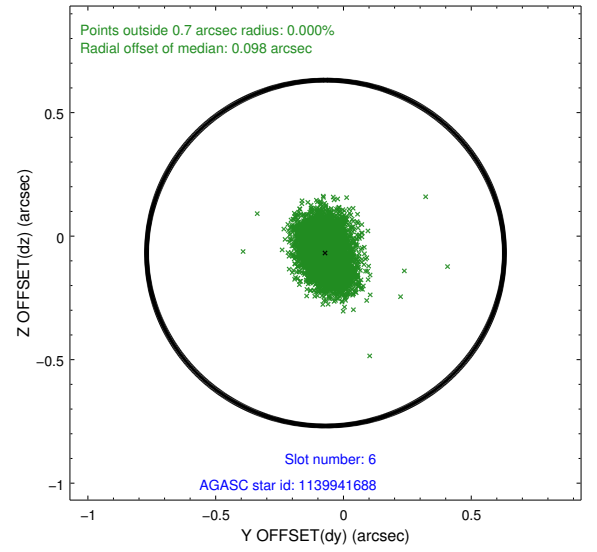
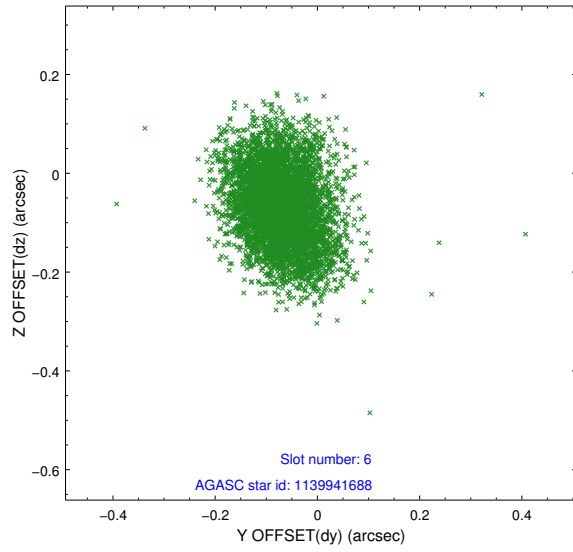
2.4.2 Slot 4



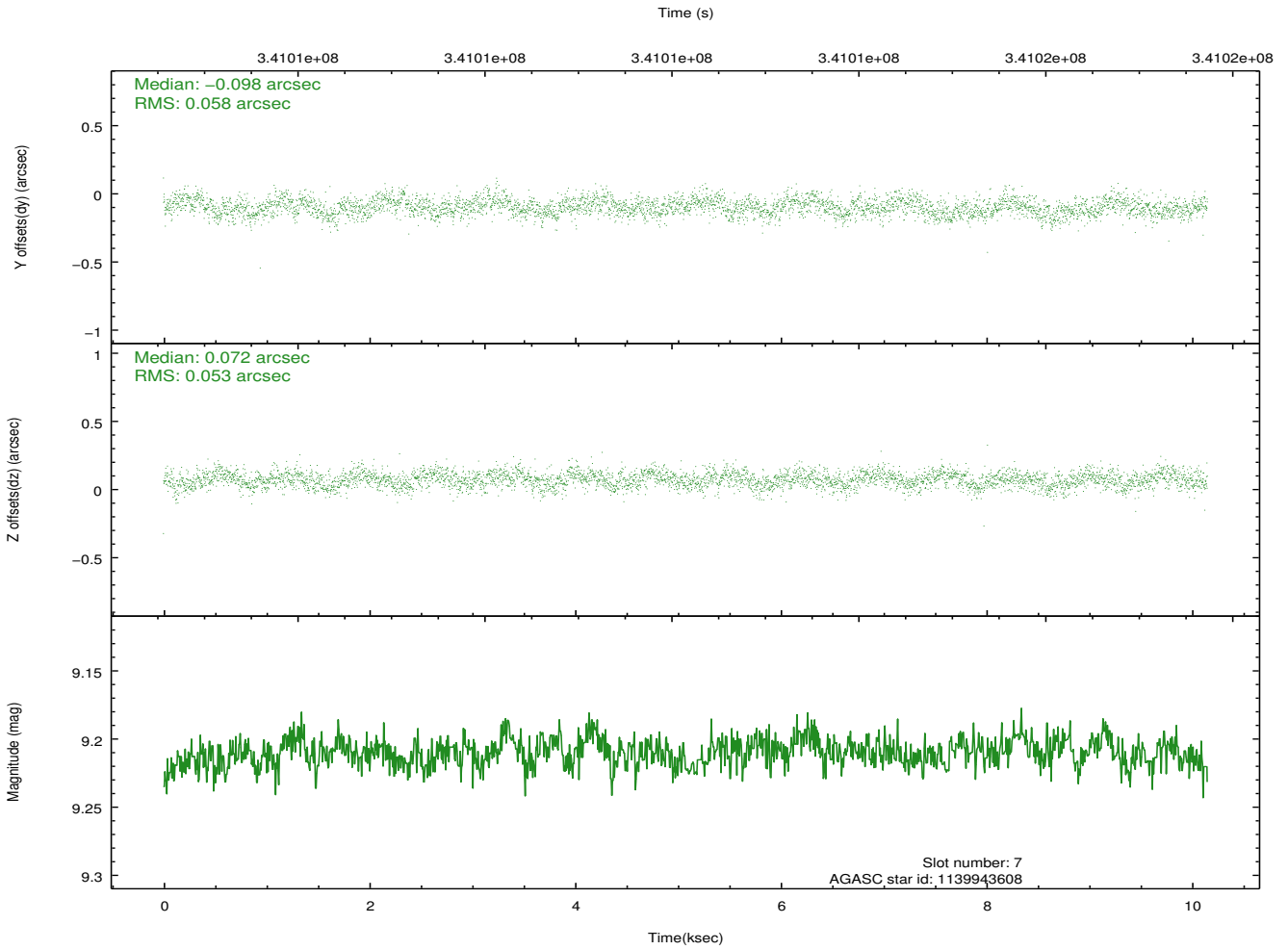
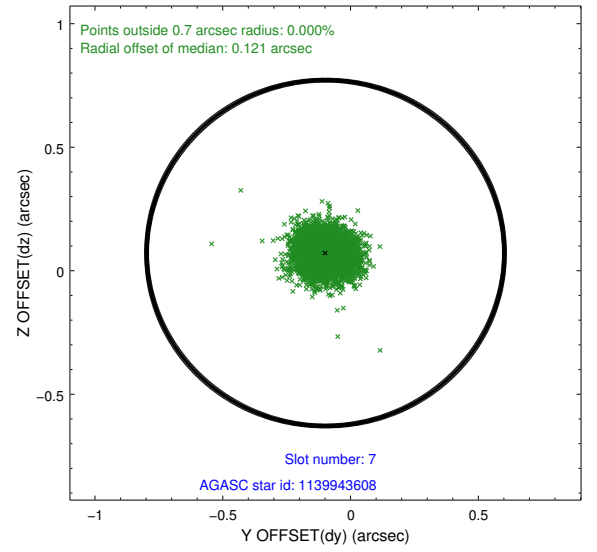
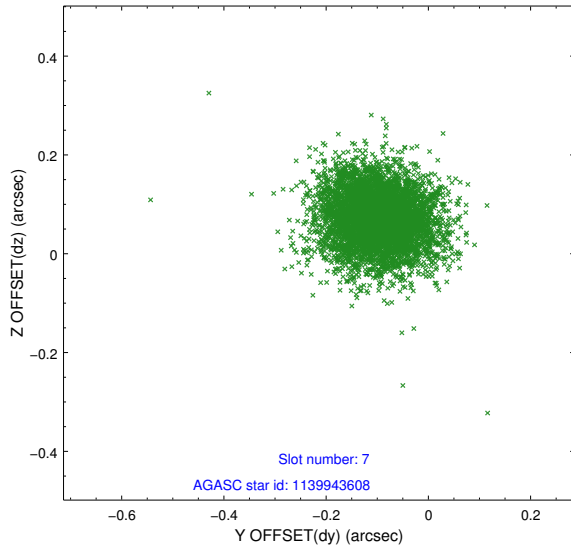
2.4.3 Slot 5



2.4.4 Slot 6

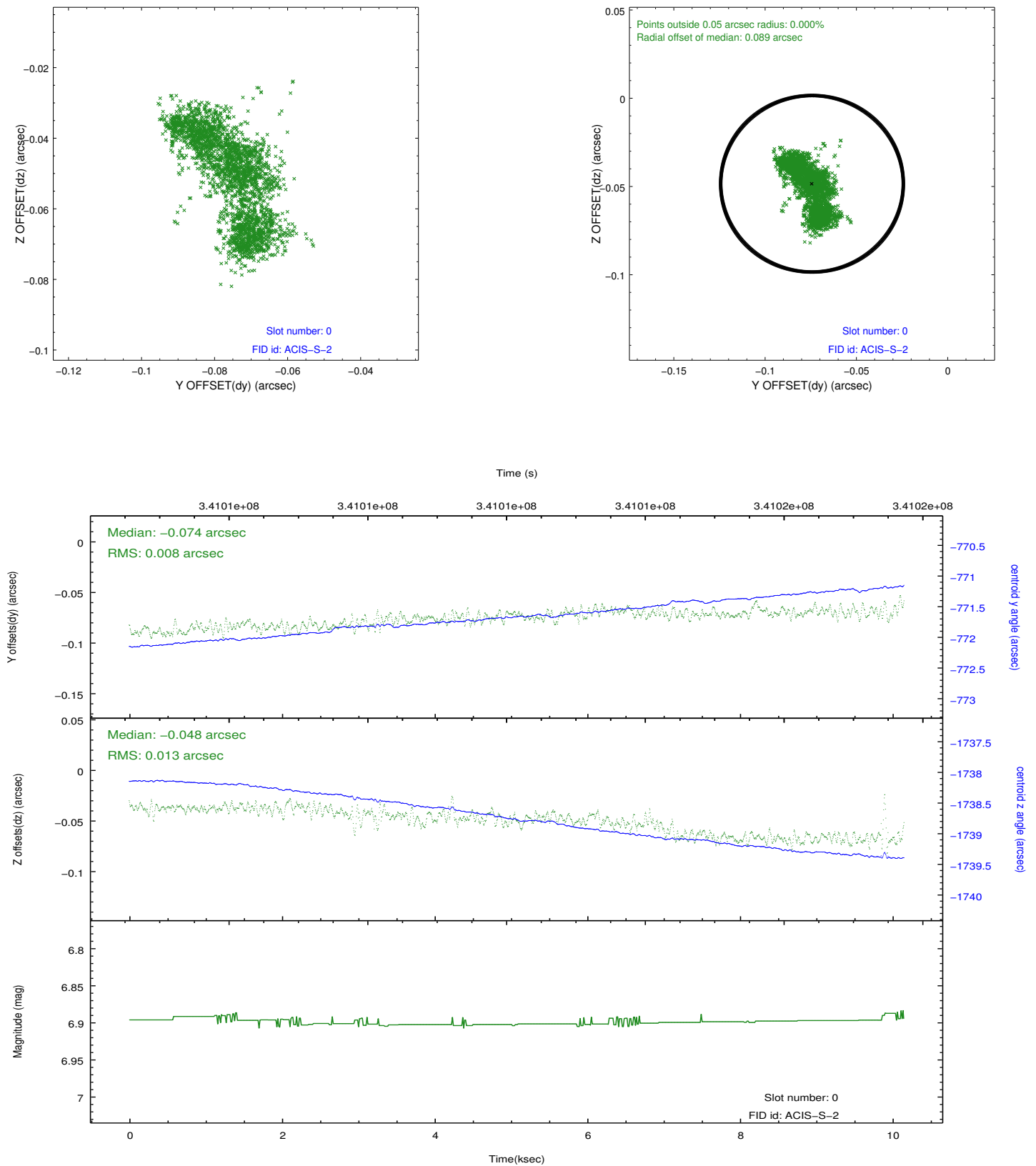


2.4.5 Slot 7

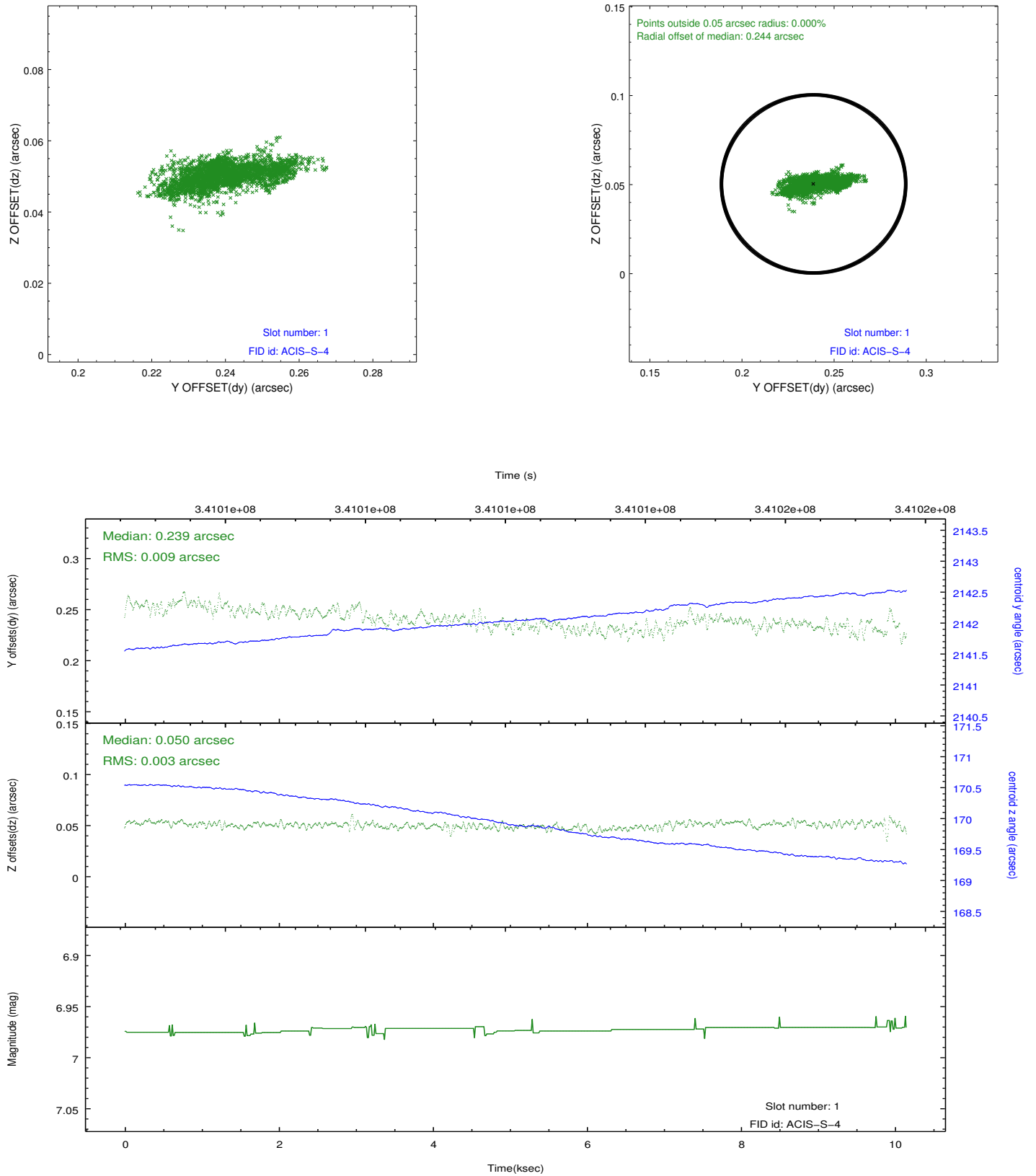


2.5 FID Slots

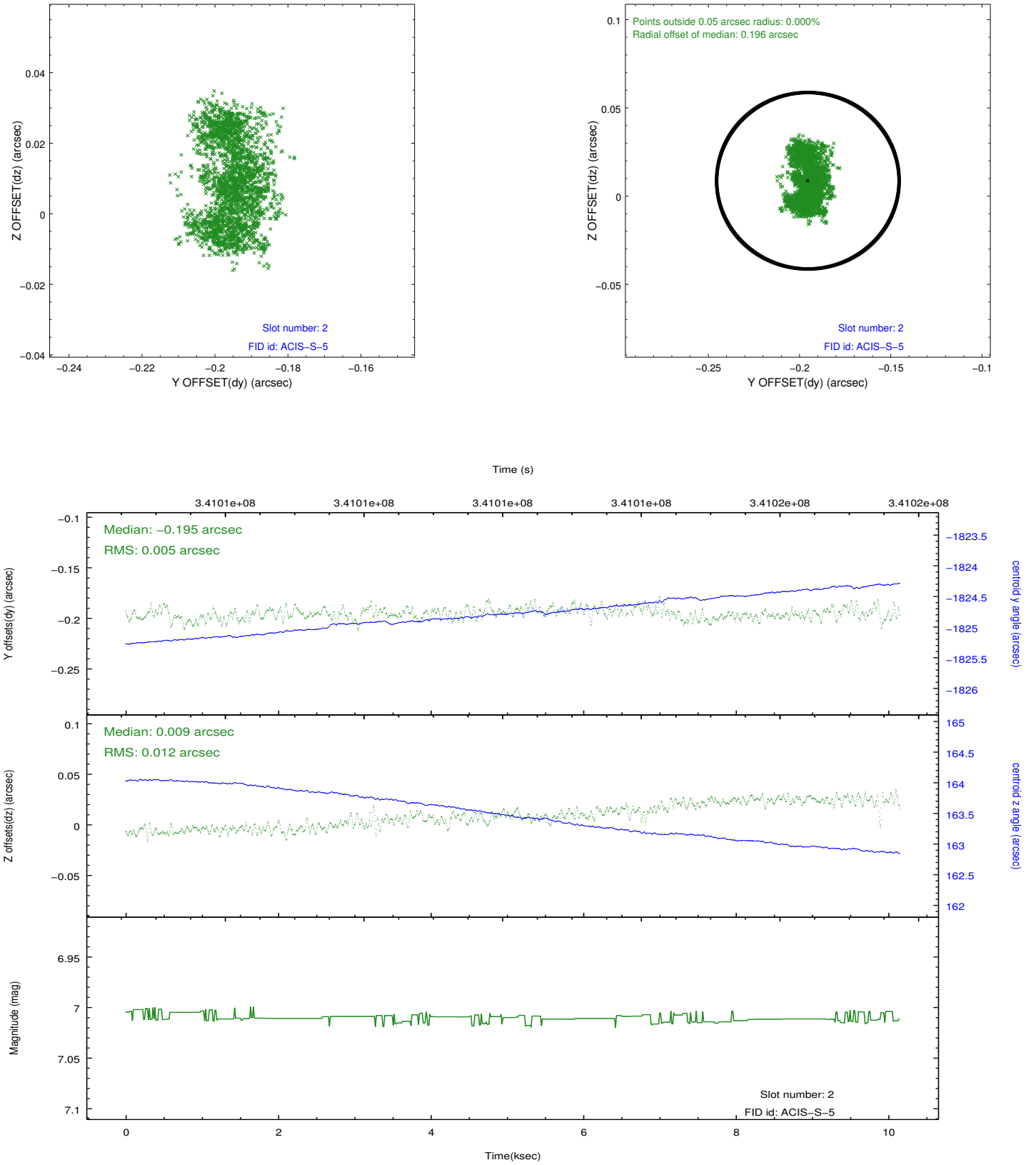
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.148

A.2 Comments

trong source present, sky (x,y)=(4086.4, 4130.7), looks sharp (fwhm ~ 1 pix), so aspect is OK.